Table 1. Metric tons (mt) of retained catch observed by port group and gear from open access fixed-gear trips occurring at less than 50 fm from January 1, 2003 to August 31, 2004.

Port Group	Hook and Line	Pot	All gears	
			mt	% of total
Astoria	1.2	*	*	*
S Oregon	7.3		7.3	19%
Crescent City	14.6		14.6	38%
Fort Bragg	0.3	*	*	*
Monterey	1.2		1.2	3%
Morro Bay	3.9	2.5	6.4	17%
Santa Barbara	0.6	1.8	2.4	6%
Los Angeles	0.7	3.2	3.9	10%
ALL PORTS	29.7	8.6	38.3	100%

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.
* Data is not listed because of confidentiality issues

Table 2. Weights for selected species from observed sets at depths less than 50 fm and from fish tickets from the open access, fixed-gear fishery by area from January 1, 2003 to August 31,2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat.

Area Species	Observed retained pounds	Fishticket pounds	Observed lb as % of fishticket lb
South			
Minor nearshore rockfish	7,313	256,415	3%
Kelp Greenling	610	12,160	5%
Cabezon	7,797	174,800	4%
California Sheephead	10,475	166,188	6%
North (Oregon data from 2004, only)			
Minor nearshore rockfish	37,750	447,169	8%
Cabezon	3,273	54,430	6%
Kelp Greenling	2,124	37,680	6%

CAVEATS: Ratios of observed to landed poundage should **NOT** be used for purposes of expanding observed retained or discarded catch up to fleet-wide totals. For open access fixed-gear trips, 50 out of 582 trips did not have corresponding fish tickets in PacFIN. Coverage of the open access fishery was opportunistic. Coverage levels were not constant across ares or time, and thus observer data may not be representative of the entire fishery.

Table 3. Number of observed open access, fixed-gear trips occurring at less than 50 fm by port group and gear from January 1, 2003 to August 31, 2004.

	Hook and Line		Pot	
Port Group	Number of trips	Distribution of observed trips by port group	Number of trips	Distribution of observed trips by port group
Astoria	16	4%	*	*
S Oregon	71	20%		
Crescent City	114	32%		
Fort Bragg	12	3%	*	*
Monterey	24	7%		
Morro Bay	77	21%	12	16%
Santa Barbara	15	4%	15	20%
Los Angeles	31	9%	32	43%
ALL PORTS	360	100%	75	100%

Notes: The dashed line indicates the dividing line between ports included in the northern and southern areas. Since both gear groups were used on some trips, the total number of observed trips is less than the sum of the numbers shown for each gear group in this table.

* Data is not listed because of confidentiality issues

Table 4. Number of observed open-access, fixed-gear sets occurring at less than 50 fm by port group and gear from January 1, 2003 to August 31, 2004.

	Hook and Line		Pot		All Gears	
Port Group	Number of sets	Distribution of observed sets by port group	Number of sets	Distribution of observed sets by port group	Number of sets	Distriution of observed sets by port group
Astoria	23	4%	*	*	*	*
S Oregon	123	21%			123	17%
Crescent City	179	30%			179	24%
Fort Bragg	18	3%	*	*	*	*
Monterey	53	9%			53	7%
Morro Bay	125	21%	24		149	20%
Santa Barbara	33	6%	28		61	8%
Los Angeles	36	6%	59		95	13%
ALL PORTS	590	100%	150	100%	740	100%

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.
* Data is not listed because of confidentiality issues

Table 5. Number of open access, fixed-gear vessels observed fishing at less than 50 fm by port group and gear from January 1, 2003 to August 31, 2004.

	Hook and Line		Pot		All Gear	
Port Group	Number of vessels	Distribution of observed vessels by port group	Number of vessels	Distribution of observed vessels by port group	Number of vessels	Distribution of observed vessels by port group
Astoria	6	7%	1	4%	6	6%
S. Oregon	18	20%			18	18%
Crescent City	17	19%			17	17%
Fort Bragg	4	5%	3	13%	4	4%
Monterey	9	10%			9	9%
Morro Bay	19	22%	3	13%	19	19%
Santa Barbara	8	9%	7	29%	12	12%
Los Angeles	7	8%	10	42%	13	13%

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.

Table 6. Number of observed open access, fixed-gear sets occurring by area, depth, season, and gear from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

		Hook and Line			Pot			All Gear			All depths
Area	Season	0-10 fm	11-20 fm	21-50 fm	0-10 fm	11-20 fm	21-50 fm	0-10 fm	11-20 fm	21-50 fm	and gears
North											
	summer	133	120	16	*	*	*	*	*	*	*
	winter	16	36	4	*	*	*	*	*	*	*
	all	149	156	20	*	*	*	*	*	*	*
South											
	summer	140	59	5	67	11		207	70	5	282
	winter	33	15	13	41	4	1	74	19	14	107
	all	173	74	18	108	15	1	281	89	19	389
Coastwide											
	summer	273	179	21	*	*	*	*	*	*	*
	winter	49	51	17	*	*	*	*	*	*	*
	all	322	230	38	*	*	*	*	*	*	*

* Data is not listed because of confidentiality issues

Table 7. Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area	0 - 10 fm					11 - 20 fm					21 - 50fm					All Depths				
Species	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
Gear																				
Season	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
South																				
Shallow nearshore species																				
summer	933	24%	2,918	76%	3,851	448	55%	374	45%	822	19	37%	32	63%	51	1,399	30%	3,324	70%	4,724
winter	106	21%	390	79%	496	41	34%	80	66%	121	3	100%			3	150	24%	471	76%	621
all	1,039	24%	3,309	76%	4,347	489	52%	454	48%	943	22	40%	32	60%	54	1,549	29%	3,795	71%	5,344
Deeper nearshore species																				
summer	308	17%	1,478	83%	1,786	195	12%	1,475	88%	1,670	4	100%			4	507	15%	2,954	85%	3,460
winter	35	26%	100	74%	135	99	18%	465	82%	564	23	100%			23	157	22%	564	78%	721
all	343	18%	1,578	82%	1,920	294	13%	1,940	87%	2,234	27	100%			27	664	16%	3,518	84%	4,181
All minor nearshore rockfish																				
summer	1,240	22%	4,396	78%	5,637	643	26%	1,849	74%	2,492	23	41%	32	59%	55	1,906	23%	6,278	77%	8,184
winter	141	22%	490	78%	631	140	20%	545	80%	685	26	100%			26	307	23%	1,035	77%	1,342
all	1,381	22%	4,886	78%	6,268	783	25%	2,394	75%	3,177	49	60%	32	40%	81	2,213	23%	7,313	77%	9,526
Kelp Greenling																				
summer	966	63%	560	37%	1,526	16	100%			16	10	100%			10	992	64%	560	36%	1,552
winter	14	23%	47	77%	62	1	24%	3	76%	3						15	23%	50	77%	65
all	980	62%	607	38%	1,588	16	87%	3	13%	19	10	100%			10	1,007	62%	610	38%	1,617
Cabezon																				
Hook and Line																				
summer	910	29%	2,218	71%	3,128	77	55%	64	45%	141	33	100%			33	1,020	31%	2,281	69%	3,301
winter	174	41%	253	59%	427	28	100%			28						202	44%	253	56%	455
all	1,084	30%	2,471	70%	3,555	105	62%	64	38%	168	33	100%			33	1,222	33%	2,535	67%	3,756
Pot																				
summer	1,858	28%	4,767	72%	6,624	78	89%	10	11%	88						1,936	29%	4,777	71%	6,712
winter	199	29%	486	71%	685	7	100%			7						206	30%	486	70%	692
all	2,057	28%	5,252	72%	7,309	85	89%	10	11%	95						2,142	29%	5,262	71%	7,404
All Gears																				
summer	2,768	28%	6,985	72%	9,752	155	68%	74	32%	229	33	100%			33	2,956	30%	7,058	70%	10,013
winter	373	34%	739	66%	1,112	35	100%	0	0%	35						408	36%	739	64%	1,147
all	3,141	29%	7,723	71%	10,864	190	72%	74	28%	263	33	100%			33	3,364	30%	7,797	70%	11,160
California Sheephead																				
Hook and Line																				
summer	13	6%	222	94%	235			54	100%	54						13	5%	275	95%	288
winter	6	10%	53	90%	60			5	100%	5						6	10%	58	90%	64
all	19	7%	275	93%	294			58	100%	58						19	5%	334	95%	353
Pot																				
summer	2,999	40%	4,563	60%	7,562	748	39%	1,151	61%	1,900						3,747	40%	5,714	60%	9,461
winter	1,673	31%	3,670	69%	5,343	190	26%	555	74%	745	37	16%	202	84%	239	1,901	30%	4,426	70%	6,327
all	4,672	36%	8,233	64%	12,905	938	35%	1,706	65%	2,644	37	16%	202	84%	239	5,648	36%	10,141	64%	15,788
All Gears																				
summer	3,012	39%	4,785	61%	7,797	748	38%	1,205	62%	1,954						3,760	39%	5,989	61%	9,749
winter	1,679	31%	3,723	69%	5,403	190	25%	560	75%	750	37	15%	202	85%	239	1,907	30%	4,484	70%	6,391
all	4,691	36%	8,508	64%	13,199	938	35%	1,764	65%	2,702	37	15%	202	85%	239	5,667	35%	10,475	65%	16,141

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area	0 - 10 fm					11 - 20 fm					21 - 50fm					All Depths				
Species	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
Gear																				
Season	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
North																				
Black Rockfish																				
summer	299	2%	12,671	98%	12,970	99	1%	9,636	99%	9,736	0	0%	560	100%	561	398	2%	22,868	98%	23,266
winter	13	1%	2,210	99%	2,223	49	1%	6,404	99%	6,453	1	0%	183	100%	183	62	1%	8,797	99%	8,859
all	311	2%	14,881	98%	15,193	148	1%	16,041	99%	16,189	1	0%	743	100%	744	460	1%	31,665	99%	32,125
Blue Rockfish																				
summer	114	23%	384	77%	498	193	17%	925	83%	1,118	26	22%	89	78%	115	333	19%	1,398	81%	1,731
winter	34	8%	380	92%	413	109	8%	1,204	92%	1,313	1	1%	67	99%	68	143	8%	1,651	92%	1,794
all	148	16%	764	84%	912	302	12%	2,129	88%	2,431	26	14%	156	86%	182	477	14%	3,049	86%	3,525
Other minor nearshore rockfish																				
summer	34	6%	557	94%	591	77	5%	1,387	95%	1,464	25	2%	975	98%	1,000	136	4%	2,919	96%	3,055
winter			10	100%	10	3	4%	64	96%	66			44	100%	44	3	2%	118	98%	120
all	34	6%	567	94%	601	79	5%	1,451	95%	1,530	25	2%	1,019	98%	1,043	139	4%	3,036	96%	3,175
All minor nearshore rockfish																				
summer	447	3%	13,612	97%	14,059	369	3%	11,948	97%	12,318	51	3%	1,624	97%	1,676	867	3%	27,185	97%	28,052
winter	47	2%	2,600	98%	2,646	161	2%	7,672	98%	7,832	2	1%	294	100%	295	208	2%	10,566	98%	10,773
all	493	3%	16,212	97%	16,706	529	3%	19,621	97%	20,150	52	3%	1,918	97%	1,969	1,076	3%	37,750	97%	38,825
Cabezon																				
summer	247	18%	1,165	82%	1,413	478	20%	1,961	80%	2,438	13	8%	147	92%	160	738	18%	3,273	82%	4,011
winter	58	100%			58	29	100%			29	24	100%			24	111	100%			111
all	306	21%	1,165	79%	1,471	507	21%	1,961	79%	2,467	37	20%	147	80%	184	850	21%	3,273	79%	4,122
Kelp Greenling																				
summer	153	17%	762	83%	915	221	15%	1,289	85%	1,510	12	14%	72	86%	83	386	15%	2,123	85%	2,509
winter	71	98%	1	2%	72	60	100%			60						131	99%	1	1%	132
all	224	23%	763	77%	988	281	18%	1,289	82%	1,570	12	14%	72	86%	83	517	20%	2,124	80%	2,641

Table 8. Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April. No cowcod rockfish, pacific ocean perch, or darkblotched rockfish were caught on observed sets.

Area	0 - 10 fm					11-20 fm					21-50fm					All Depths				
Species	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
Season	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
North																				
Canary Rockfish																				
summer	62	100%			62	280	99%	2	1%	282	73	100%			73	415	99%	2	1%	417
winter	4	100%			4	26	100%			26	12	100%			12	41	100%			41
all	66	100%			66	305	99%	2	1%	308	85	100%			85	456	100%	2	0%	458
Widow Rockfish																				
summer			4	100%	4			4	100%	4								8	100%	8
winter													3	100%	3			3	100%	3
all			4	100%	4			4	100%	4			3	100%	3			11	100%	11
Yelloweye Rockfish																				
summer	23	100%			23	207	100%			207	144	100%			144	374	100%			374
winter											5	100%			5	5	100%			5
all	23	100%			23	207	100%			207	150	100%			150	379	100%			379
Lingcod																				
summer	1,495	37%	2,513	63%	4,008	2,393	37%	4,107	63%	6,501	171	15%	985	85%	1,156	4,059	35%	7,606	65%	11,665
winter	400	100%			400	359	100%			359	7	100%			7	766	100%			766
all	1,894	43%	2,513	57%	4,408	2,752	40%	4,107	60%	6,860	178	15%	985	85%	1,164	4,825	39%	7,606	61%	12,431
South																				
Bocaccio Rockfish																				
summer																				
winter											2	8%	24	92%	27	2	8%	24	92%	27
all											2	8%	24	92%	27	2	8%	24	92%	27
Canary Rockfish																				
summer	2	100%			2	63	100%			63						66	100%			66
winter											6	100%			6	6	100%			6
all	2	100%			2	63	100%			63	6	100%			6	72	100%			72
Lingcod																				
summer	1,410	35%	2,564	65%	3,974	583	51%	551	49%	1,134	4	27%	11	73%	14	1,997	39%	3,125	61%	5,123
winter	447	100%			447	124	100%			124	10	100%			10	581	100%			581
all	1,858	42%	2,564	58%	4,422	707	56%	551	44%	1,258	14	56%	11	44%	24	2,579	45%	3,125	55%	5,704

Table 9. Ratio estimate and standard errors for the total bycatch of eight overfished species per 100 pounds of nearshore fish[a] by area, depth and season from January 1, 2003 to August 31, 2004 on observed fixed-gear open access sets. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April. Standard errors cannot be calculated when there is only one set in a category. No boccacio rockfish, cowcod rockfish, pacific ocean perch, or darkblotched rockfish were caught on observed sets with nearshore catch.

Area	0 - 10 fm			11 - 20 fm			21 - 50 fm		
Species / Season	Number of sets	Species catch per 100 lb of retained nearshore species ratio	se	Number of sets	Species catch per 100 lb of retained nearshore species ratio	se	Number of sets	Species catch per 100 lb of retained nearshore species ratio	se
North									
Canary Rockfish									
summer	136	0.455	0.176	138	2.298	0.647	15	5.403	2.188
winter	16	0.160	0.160	35	0.401	0.144	4	5.005	4.209
all	152	0.413	0.152	173	1.646	0.433	19	5.344	1.970
Lingcod									
summer	136	29.192	5.146	138	52.993	6.736	15	85.199	26.657
winter	16	17.844	9.422	35	5.592	1.845	4	3.088	3.088
all	152	27.593	4.531	173	36.700	4.733	19	73.092	23.939
Widow Rockfish									
summer	136	0.027	0.027	138	0.033	0.033	15	0	
winter	16	0		35	0		4	1.171	1.171
all	152	0.024	0.024	173	0.021	0.021	19	0.173	0.173
Yelloweye Rockfish									
summer	136	0.165	0.080	138	1.690	0.562	15	10.644	4.179
winter	16	0		35	0		4	2.236	2.236
all	152	0.142	0.068	173	1.109	0.372	19	9.404	3.671
South									
Canary Rockfish									
summer	194	0.016	0.011	53	2.254	1.566	2		
winter	60	0		15	0		1		
all	254	0.012	0.008	68	1.756	1.223	3	Insufficient data	
Lingcod									
summer	194	28.470	3.841	53	39.994	9.159	2		
winter	60	9.770	3.134	15	11.811	6.595	1		
all	254	23.936	3.035	68	33.773	7.556	3		

[a]Nearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.